

**INFORMATION DISCLOSURE  
STATEMENT  
BY APPLICANT**

(Use several sheets if necessary)

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Application Number:  
10/718,986

Applicant:  
YU, Mang

Filing Date:  
November 11, 2003

Group Art Unit:  
~~1648~~ 1652

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
JLB	P1	3,439,089	04/1969	Cherkas	/		
	P2						



**FOREIGN PATENT DOCUMENTS**

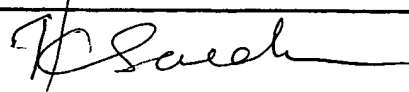
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
	F1							

Examiner Signature	J. Sawdhy	Date Considered	1/5/07
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EXAMINER INITIALS		CITATION
JG	D1	Achyuthan, KE and Achyuthan AM. 2001. Comparative enzymology, biochemistry and pathophysiology of human exo-a-sialidases (neuraminidases). Comparative Biochem & Physiol part B 129:29-64
	D2	Air, GM and Laver, WG. 1995. Red cells bound to influenza virus N9 neuraminidase are not released by the N9 neuraminidase activity. Virology 211:278-284
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	D4	Barbey-Morel CL, Oeltmann TN, Edwards KM and Wright PF. 1987. Role of respiratory tract proteases in infectivity of influenza A virus. J Infect Dis 155:667-672
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	D6	Callan RJ, Hartmann FA, West SE and Hinshaw VS. 1997. Cleavage of influenza A virus H1 hemagglutinin by swine respiratory bacterial proteases. J Virol 71:7579-7585
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	D8	Copley, RR, Russell, RB and Ponting, CP. 2001. Sialidase-like Asp-boxes: sequence-similar structures within different protein folds. Prot Sci 10:285-292
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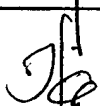
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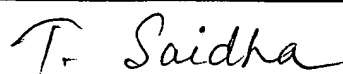
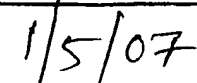
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	D11	Endo Y, Carroll KN, Ikizler MR and Wright PF. 1996. Growth of influenza virus in primary, differentiated epithelial cells derived from adenoids. J Virol 70:2055-2058
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	D13	Fukudome, K., Yoshie, O. and Konno, T. 1989. Comparison of human, simian, and bovine rotaviruses for requirement of sialic acid in hemagglutination and cell adsorption. Virology 172:196-205
	D14	Garten W, Bosch FX, Linder D, Rott R and Klenk HD. 1981. Proteolytic activation of the influenza virus hemagglutinin: the structure of the cleavage site and the enzymes involved in cleavage. Virology 115:361-374
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	D20	Ito, T. 2000. Interspecies transmission and receptor recognition of influenza a virus. Microbiol Immunol 44(6):423-430
	D21	Janakiraman, MN, White, CL, Laver, WG, Air, GM and Luo, M. 1994. Structure of influenza virus neuraminidase B/lee/40 complexed with sialic acid and a dehydro analog at 1.8-A resolution: implications for the catalytic mechanism. Biochemistry 33:8172-8179
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	D29	Meltzer, MI, Cox, NJ and Fukuda, K. 1999. The economic impact of pandemic influenza in the United States: priorities for intervention. Emerg Infect Dis 5:659-671
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	D48	Sinn PL, Williams G, Vongpunsawad S, Cattaneo R and McCray PB. 2002. Measles virus preferentially transduces the basolateral surface of well-differentiated human airway epithelia. J Virol 76:2403-2409
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J/8	D66	Zhirnov OP, Ovcharenko AV and Bukrinskaya AG. 1984. Suppression of influenza virus replication in infected mice by protease inhibitors. J Gen Virol 65:191-196
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	D69	Zhirnov OP, Ikizler MR and Wright PF. 2002. Cleavage of influenza A virus hemagglutinin in human respiratory epithelium is cell associated and sensitive to exogenous antiproteases. J Virol 76:8682-8689
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